

AVIATION WEATHER SERVICES

Advisory Circular,
AC 00-45G



U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION



Photo courtesy of Aaron A. Gilstad

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SUMMARY OF CHANGES

SECTION	CHANGES
All sections	All even numbered pages: Moved page numbers away from the spline to the outside of the page.
1.1.2.4	Deleted TWEB reference.
2.3.2	Updated EWINS reference to <i>“Flight Standards Information Management System, Order 8900.1, volume 3, chapter 26, section 5”</i>
2.3.3	(see paragraph 2.4.2, above) change to (see previous section)
3.1	Removed METAR/SPECI link
3.1.4	Corrected an error in the METAR KMDW example. The station identifier was changed from KCOT to KMDW.
4.1.3	Both the “Clear Air Mode” and “Precipitation Mode” weather radar echo intensity legends (Figure 4-1) were replaced with one combined scale to reflect changes to the NWS radar web site. The accompanying text was updated as well.
5.2.2	Table 5-8: Corrected error in the 300mb column. The wind speed was changed from 70 kt to 75 kt.
6.1.4.9, 6.1.4.9.1 6.1.5.9.1, and 6.1.5.9.2	Corrected station identifier from KCCI to KKCI
6.1.5.9	Corrected a typo: ...”TO TOP FL400” change to “TOP FL400”
6.1.2, 6.2.3, and 7.1.2	Updated link to Federal Aviation Administration (FAA) Order 7340.2
Table 6-5	Updated CONUS AIRMET Issuance Scheduled to xx55.
6.2.5	Deleted the phrase “...or other well known geographic features.”
Figure 6-11	Deleted “OCNL” since it is no longer used in text AIRMETs anymore.
6.4.1	Updated severe hail size criteria from ¾ inch diameter to 1 inch diameter
6.4.1.1	Updated product issuance times on table 6-8.
7.1.6	Corrected wording from “...6-hour categorical forecast...” to “...6-hour categorical outlook...”
7.1.3	Deleted erroneous “Z” time errors in Table 7-2
7.3.4.1 and 7.2.4.2	Deleted Majuro to Kwajalein and Tarawa to Majuro ROFOR examples since these routes were discontinued as per SCN 09-41.
8.2.1.1	Changed “blue” to “cyan (light blue)”
8.3	Deleted fronts from Mid- Level SIGWX charts
8.4	Deleted fronts from High- Level SIGWX charts
9.1	Updated to reflect new format for 2010 convective season
9.3.2.3 through 9.3.2.9	Deleted the word “standard” from the line: “Icing intensity is displayed using standard icing intensity categories:...”
Appendix F	Converted AWC Advisory Plotting Chart Reference Points to a table.

FOREWORD

Aviation Weather Services, Advisory Circular 00-45G, is published jointly by the National Weather Service (NWS) and the Federal Aviation Administration (FAA). This publication supplements its companion manual Aviation Weather, Advisory Circular 00-6A, which documents weather theory and its application to the aviation community.

This advisory circular, AC 00-45G, explains U.S. aviation weather products and services. It details the interpretation and application of advisories, coded weather reports, forecasts, observed and prognostic weather charts, and radar and satellite imagery. Product examples and explanations are taken primarily from the Aviation Weather Center's Aviation Digital Data Service website (<http://adds.aviationweather.noaa.gov/>).

The AC 00-45G was written by Robert A. Prentice with assistance from Douglas D. Streu. Beth McNulty and Bruce Entwistle provided additional contributions and reviews. Thomas J. Forchtner was the reviewer for the FAA.

An online version of this document (including digital images) can be found at:

http://www.airweb.faa.gov/Regulatory_and_Guidance_Library/rgAdvisoryCircular.nsf/MainFrame?OpenFrameSet

Comments and suggestions for improving this publication are encouraged and should be directed to:

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